

## Defiance

Suite: Symmetry Confusion  
by Arya Akhavan (September 2012)

Angles for R.I. = 1.540

70 + 24 girdles = 94 facets

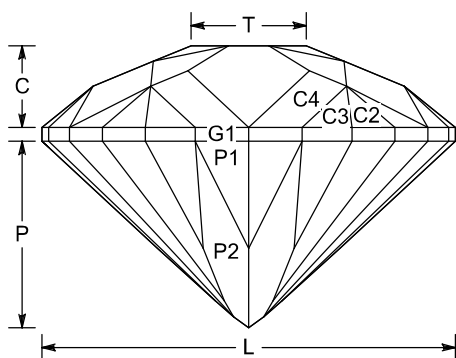
3-fold, mirror-image symmetry

96 index

L/W = 1.000 T/W = 0.279 U/W = 0.242

P/W = 0.450 C/W = 0.197

Vol./W<sup>3</sup> = 0.222



### PAVILION

P1	43.00°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62-66-70-74-78-82-86-90-94	Cut to centrepoint.
G1	90.00°	02-06-10-14-18-22-26-30-34-38-42-46-50-54-58-62-66-70-74-78-82-86-90-94	Level girdle.
P2	42.00°	04-28-36-60-68-92	Meet P1, G1

### CROWN

C1	38.12°	14-18-46-50-78-82	Set girdle width.
C2	40.69°	10-22-42-54-74-86	Level girdle.
C3	37.33°	06-26-38-58-70-90	Level girdle.
C4	30.33°	02-30-34-62-66-94	Level girdle.
C5	34.26°	16-48-80	Meet G1, C1; C1, C2, C3, C4
C6	22.36°	08-24-40-56-72-88	Meet C1, C2, C3, C4, C5
C7	13.36°	16-48-80	Meet C5, C6
C8	28.19°	96-32-64	Meet G1, C4
T	0.00°	Table	Meet C6, C7, C8

Well...the rebuild of this design turned out substantially better than the original version. Thankfully, it still has a table that's different from the girdle outline, and somehow I retained the "triangles inside triangles". Apparently I have a thing for bar-shaped facets across my crowns. Works in RIs from 1.54 to 1.93 with no changes.

C:\Users\ARYADE~1\Pictures\Gems\DESIGN~1\WORKSI~1\Fixed\Defiance.gem